

GS/jo 000908US
January 22, 2001

CLAIMS

- 105373-012002
1. A method for setting a process for the manufacture of sealing seams, in which the interface temperature at the interface between the sealing partners is measured using a temperature measuring element, characterized in that the process is set based on the course of time of the interface temperature during and after heat input during the sealing.
 2. The method according to claim 1, characterized in that the time-temperature-pressure progression during heat input is set.
 3. The method according to claim 1 or 2, characterized in that the time for the tightness check and/or the mechanical loadability after heat input is set.
 4. The method according to one of claims 1 to 3, characterized in that the point at which the interface temperature exceeds the melting temperature of at least one sealing layer of the sealing is monitored during heat input.

- 202270" E44E5004
5. The method according to one of claims 1 to 4, characterized in that the integral of the time-temperature progression of the interface temperature is determined between the point where the temperature exceeds the melting temperature and falls below the solidification temperature of at least one sealing layer of the sealing partners.
 6. The method according to one of claims 1 to 5, characterized in that the time at which the interface temperature falls below the melting temperature of at least one sealing layer of the sealing partners is determined.
 7. The method according to one of claims 1 to 6, characterized in that the recrystallization of at least one sealing layer can be determined from a reduction in the cooling rate after heat input is complete.
 8. The method according to claim 7, characterized in that the recrystallization time is determined.

Add
A'

>